

IMPROVING PLANT AND SOIL NUTRITION

KSC® is the combination of the highest quality raw materials and the PHYTACTYL® Complex, which has an effect on the plant and soil nutrition.

The KSC® line of water-soluble fertilizers are for fertigation or hydroponics in intensive crop production. The low salt index and low chloride content is safer for seedlings and allows for better water and nutrient uptake.

Available in six different formulations that are specifically catered to diverse growing conditions and plant growth stages.

ANALYSIS:

PRODUCT	N	P	K	Ca	Mg	S	B	Cu	Fe	Mn	Mo	Zn	Objectives
KSC I	14	40	5			5.2	0.1	0.05	0.1		0.01	0.1	Rooting and pre-flowering/fruit set
KSC IV		32	40			4.4	0.1		0.1		0.1		Fruit set and development
KSC V	8	16	42				0.1		0.1	0.05		0.1	Development, weight gain and maturation
KSC VI	14	12	14			14	0.1	0.1	0.1	0.1		0.1	Development, weight gain and maturation
KSC VII	15		9	14.3									Weight gain and fruit quality
KSC MicroMix					9	11.2	0.5	0.5	2.5	2	0.2	1.5	Micronutrient deficiencies

RATE & TARGET USE:

Application rate and timings are situation, crop and grower specific. Please refer to tissue tests or the advice of your local TIMAC AGRO field representative for specific recommendations.

DILUTION: Dilute KSC® in the mother solution with a concentration of 10-20% or 1-2 lbs/gallon. This dilution should be considered as a guideline and should be adapted to the chemical characteristics of the irrigation water.

COMPATIBILITY: KSC® is compatible with most soluble fertilizers. DO NOT mix with products containing Calcium. DO NOT acidify mother solution below a pH of 6.



**EARLY
SUCCESS**

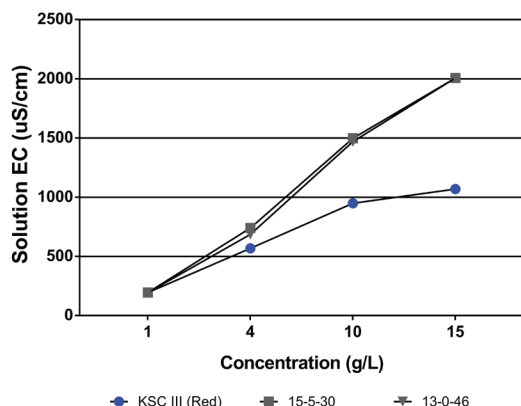


**PLANT
BUILDING**



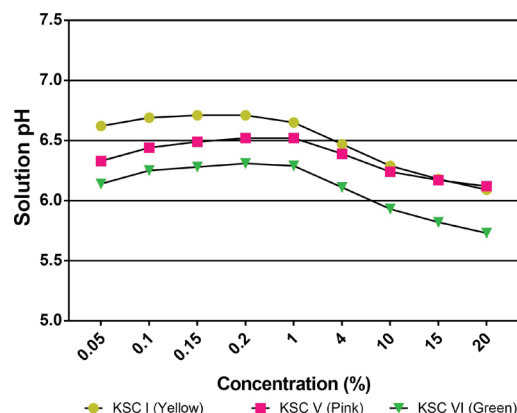
**STRONG
FINISH**

ELECTRICAL CONDUCTIVITY COMPARISON OF KSC VS. COMMODITIES



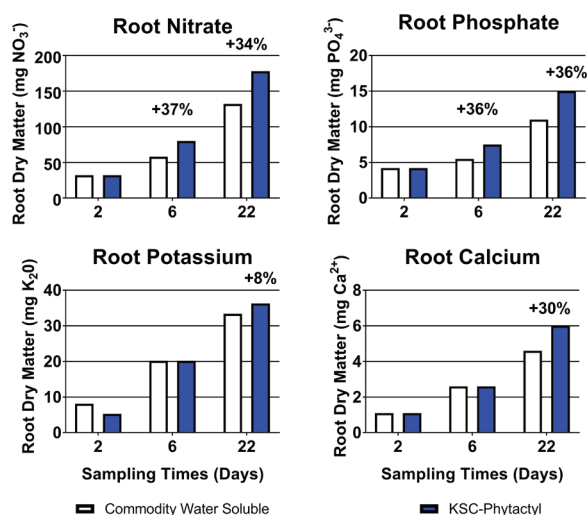
KSC's lower salt content ensures higher nutrient efficiency and has less impact on the soil.*

KSC PHYTACTYL EFFECTS ON SOLUTION PH



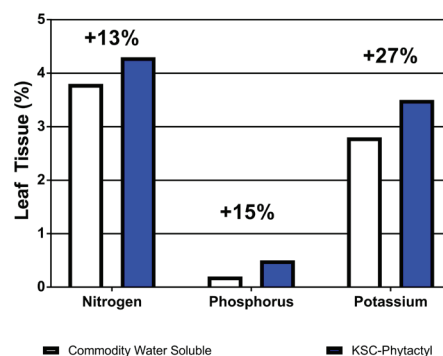
KSC has a buffer that prevents acidification at high use concentrations.*

EFFECT OF KSC ON NUTRIENT UPTAKE



The four charts above demonstrate the kinetics of nutrient uptake in hydroponic lettuce. KSC demonstrated faster and improved nutrient uptake.*

KSC PHYTACTYL EFFECTS ON NUTRIENT MOBILIZATION



This trial was conducted under hydroponic conditions on lettuce. KSC's high quality nutrients and the patented Phytactyl Complex lead higher uptake of N, P, and K in the leaf tissue.*

*Source: Roullier Group R&D CMI, St. Malo France, 2005